

9/30/03

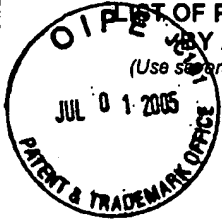
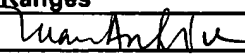
<b>Form PTO-1449</b>  <b>LIST OF PRIOR ART CITED BY APPLICANT</b> <i>(Use several sheets if necessary)</i>			ATTORNEY DOCKET NO. <b>AUS920030481US1</b>		SERIAL NO. <b>Not Assign d</b>
APPLICANT <b>DeWitt, Jr. et al.</b>			FILING DATE		GROUP ART UNIT <b>Not Assign d</b>

U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	INVENTOR NAME	CLASS/ SUBCLASS	FILING DATE
<div style="font-size: 2em;"> </div>	AA	5,103,394	Apr. 7, 1992	Blasciak	395/575 Dec. 21, 1989
	AB	6,330,662 B1	Dec. 11, 2001	Patel et al.	712/236 Feb. 23, 1999
	AC	6,480,938 B2	Nov. 12, 2002	Vondran, Jr.	711/125 Dec. 15, 2000
	AD	6,430,741 B1	Aug. 6, 2002	Mattson, Jr. et al.	717/154 Feb. 26, 1999
	AE	6,189,141 B1	Feb. 13, 2001	Benitez et al.	717/4 May 4, 1998
	AF	5,930,508	Jul. 27, 1999	Faraboschi et al.	395/706 Jun. 9, 1997
	AG	6,351,844 B1	Feb. 26, 2002	Bala	717/4 Nov. 5, 1998
	AH	6,324,689 B1	Nov. 27, 2001	Lowney et al.	717/9 Sep. 30, 1998
	AI	6,442,585 B1	Aug. 27, 2002	Dean et al.	709/108 Nov. 26, 1997
	AJ	5,774,724	Jun. 30, 1998	Heisch	395/704 Nov. 20, 1995
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	AM	5,691,920	Nov. 25, 1997	Levine et al.	364/551.01 Oct. 2, 1995
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	AO	6,101,524	Aug. 8, 2000	Choi et al.	709/102 Oct. 23, 1997
	AP	6,256,775 B1	Jul. 3, 2001	Flynn	717/4 Dec. 11, 1997
	AQ	6,446,029 B1	Sep. 3, 2002	Davidson et al.	702/186 Jun. 30, 1999
	AR	6,134,676	Oct. 17, 2000	VanHuben et al.	714/39 Apr. 30, 1998
	AS	5,937,437	Aug. 10, 1999	Roth et al.	711/202 Oct. 28, 1996
	AT	6,243,804 B1	Jun. 5, 2001	Cheng	712/228 Jul. 22, 1998
	AU	4,291,371	Sep. 22, 1981	Holtey	364/200 Jan. 2, 1979
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	AW	6,286,132 B1	Sep. 4, 2001	Tanaka et al.	717/4 Jan. 7, 1999
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	AY	6,374,364 B1	Apr. 16, 2002	McElroy et al.	714/10 Jan. 19, 1999
	AZ	6,070,009	May 30, 2000	Dean et al.	395/704 Nov. 26, 1997
BA	5,966,537	Oct. 12, 1999	Ravichandran	395/709 May 28, 1997	

DATE CONSIDERED <u>2-27-07</u>	EXAMINER <u>[Signature]</u>
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			APPLICANT <b>DeWitt, Jr. et al.</b>			
			FILING DATE		GROUP ART UNIT <b>Not Assigned</b>	
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	INVENTOR NAME	CLASS/SUBCLASS	FILING DATE	
QAT	BB 2002/0129309	Sep. 12, 2002	Floyd et al.	714/724	Dec. 18, 2000	
	BC 2001/0032305	Oct. 18, 2001	Barry	712/34	Feb. 23, 2001	
	BD 2002/0199179	Dec. 26, 2002	Lavery et al.	717/158	Jun. 21, 2001	
	BE 2002/0124237	Sep. 5, 2002	Sprunt et al.	717/127	Dec. 29, 2000	
	BF 2002/0147965	Oct. 10, 2002	Swaine et al.	717/124	Feb. 1, 2001	
QAT	BG 2002/0019976	Feb. 14, 2002	Patel et al.	717/137	May 25, 2001	
<b>FOREIGN PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS/SUBCLASS	TRANSLATION YES NO	
QAT	BH JP2000029731	Dec. 8, 1999	Japan	G06F 9/38	<input checked="" type="checkbox"/> X	
QAT	BI JP2000347863	Dec. 15, 2000	Japan	G06F 9/38	<input checked="" type="checkbox"/> X	
<b>OTHER PRIOR ART (including author, title, date, pertinent page, etc.)</b>						
NC	BJ	Kikuchi, "Parallelization Assist System", Joho Shori, Vol. 34, No. 9, Sept. 1993, pp. 1158-1169.				
QAT	BK	Cohen et al., "Hardware-Assisted Characterization of NAS Benchmarks", Cluster Computing, Vol. 4, No. 3, July 2001, pp. 189-196.				
QAT	BL	Talla et al., "Evaluating Signal Processing and Multimedia Applications on SIMD, VLIW and Sup r Scalar Architectures", International Conference on Computer Design, Austin, Sept. 17-20, 2000, pp. 163-172.				
QAT	BM	Iwasawa et al., "Parallelization Method of Fortran DO Loops by Parallelizing Assist System", Transactions of Information Processings Society of Japan, Vol. 36, No. 8, Aug. 1995, pp. 1995-2006.				
QAT	BN	Talla et al., "Execution Characteristics of Multimedia Applications on a Pentium II Processor", IEEE International Performance, Computing, and Communications Conference, 19 <sup>th</sup> , Phoenix, Feb. 20-22, 2000, pp. 516-524.				
QAT	BO	IBM Research Disclosure Bulletin 444188, "Enable Debuggers as an Objective Performance Measurement Tool for Software Development Cost Reduction", April 2001, pp. 686-688.				
<b>RELATED PATENT APPLICATIONS</b>						
EXAMINER INITIAL	APPLICATION NO./ ATTY. DOCKET NO.	APPLICANT	TITLE	FILING DATE		
NC	BP 09/435,069 AT9-99-491	Davidson et al.	Method and Apparatus for Instruction Sampling for Performance Monitoring and Debug	Nov. 4, 1999		
NC	BQ 08/538,071 AUT919950055US1	Gover et al.	Method and System for Selecting and Distinguishing an Event Sequence using an Effective Address in a Processing System	Oct. 2, 1995		
DATE CONSIDERED <b>2-27-07</b>			EXAMINER <i>man Anshu</i>			
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Form PTO-1449		ATTORNEY DOCKET NO. AUS920030481US1		SERIAL NO. 10/675,776	
 <p>LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)</p>		APPLICANT DeWitt, Jr. et al.			
		FILING DATE September 30, 2003		GROUP ART UNIT 2122	
<b>RELATED PATENT APPLICATIONS</b>					
EXAMINER INITIAL		APPLICATION NO/ ATTY. DOCKET NO.	APPLICANT	TITLE	FILING DATE
WJ	AA	10/675,777 / AUS920030477US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Instruction Execution and Data Accesses	Sep. 30, 2003
	AB	10/674,604 / AUS920030478US1	DeWitt, Jr. et al.	Method and Apparatus for Selectively Counting Instructions and Data Accesses	Sep. 30, 2003
	AC	10/675,831 / AUS920030479US1	DeWitt, Jr. et al.	Method and Apparatus for Generating Interrupts Upon Execution of Marked Instructions and Upon Access to Marked Memory Locations	Sep. 30, 2003
	AD	10/675,778 / AUS920030480US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Data Accesses and Instruction Executions that Exceed a Threshold	Sep. 30, 2003
	AE	10/675,751 / AUS920030482US1	DeWitt, Jr. et al.	Method and Apparatus for Debug Support for Individual Instructions and Memory Locations	Sep. 30, 2003
	AF	10/675,721 / AUS920030483US1	Levine et al.	Method and Apparatus to Autonomically Select Instructions for Selective Counting	Sep. 30, 2003
	AG	10/674,642 / AUS920030484US1	Levine et al.	Method and Apparatus to Autonomically Count Instruction Execution for Applications	Sep. 30, 2003
	AH	10/674,606 / AUS920030485US1	Levine et al.	Method and Apparatus to Autonomically Take an Execution on Specified Instructions	Sep. 30, 2003
✓	AI	10/675,783 / AUS920030486US1	Levine et al.	Method and Apparatus to Autonomically Profile Applications	Sep. 30, 2003
WJ	AJ	10/675,872 / AUS920030487US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Instruction and Memory Location Ranges	Sep. 30, 2003
DATE CONSIDERED 02-27-07			EXAMINER 		
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

**Complete if Known**

Application Number **10/675,776**  
Filing Date **09/30/2003**  
First Named Inventor **DeWitt, Jr. et al.**  
Examiner Name **Unknown**  
Art Unit **2122**  
Attorney Docket No. **AUS920030481US1**

Examiner Initials	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
NAJ	AA 4,034,353	07-1977	Denny et al.	
	AB 4,821,178	04-1989	Levin et al.	
	AC 5,151,981	09-1992	Westcott et al.	
	AD 5,581,482	12-1996	Wiedenman et al.	
	AE 5,594,864	01-1997	Trauben	
	AF 5,691,920	11-1997	Levine et al.	
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	AI 2003/0135720	07-2003	DeWitt et al.	
	AJ 5,926,640	07-1999	Mason et al.	
	AK 6,185,652	02-2001	Shek et al.	
	AL 4,145,735	03-1979	Soga	
	AM 5,548,762	08-1996	Creedon et al.	
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	AO 6,161,187	12-2000	Mason et al.	
	AP 3,707,725	12-1972	Dellheim	
	AQ 6,408,386	06-2002	Hammond et al.	
	AR 6,775,728	08-2004	Zimmer et al.	
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	AU 6,275,893	08-2001	Bonola	
WAT	AV 4,825,359	04-1989	Ohkami et al.	

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Examiner Initial	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

**NON PATENT LITERATURE**

Examiner Initial	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
WAT	AW Mano, "Computer System Architecture", Prentice-Hall, Inc., 2 <sup>nd</sup> Ed., 1982, pp.434-443.
WAT	AX Inoue, "Digital mobile communication system designed for nationwide police activities - WIDE system", IEEEExplore, October 1996, pp. 1-2.

Examiner:

*WAT*

Date Considered:

02-27-07

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Application Number	10/675,776
Filing Date	09/30/2003
First Named Inventor	DeWitt, Jr. et al.
Examiner Name	Unknown
Art Unit	2122
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# FOREIGN PATENT DOCUMENTS

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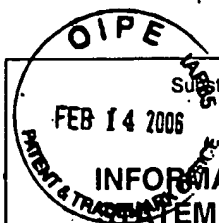
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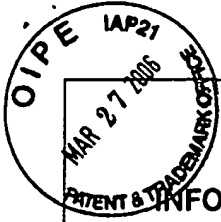
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NC AC	Short, "Embedded Microprocessor Systems Design: An Introduction Using the Intel 80C188EB" Prentice-Hall, Inc.: 1998, p. 761.

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Examiner Name	Unknown
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Examiner Initials	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WAT	AA 5,710,881	01-20-1998	Gupta et al.	
	AB 5,822,763	10-13-1998	Baylor et al.	
	AC 5,928,334	07-27-1999	Mandyam et al.	
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	AE 6,285,974 B1	09-04-2001	Mandyam et al.	
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WAT	AH TANENBAUM, "Structured Computer Organization", 1984, Prentice-Hall, Inc., 2 <sup>nd</sup> Edition, pp. 10-12.
WAT	AI TORRELLAS et al., "False Sharing and Spatial Locality in Multiprocessor Caches", June 1994, IEEE Transactions on Computers, Vol. 43, No. 6, pp. 651-663.
WAT	AJ ROTHMAN et al., "Analysis of Shared Memory Misses and Reference Patterns", 2000, IEEE, pp. 187-198.

Examiner:

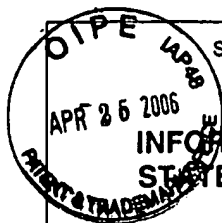
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WAT	AA 5,797,019	08-18-1998	Levine et al.	
	AB 6,549,998 B1	04-15-2003	Pekarich et al.	
	AC 2003/0101367 A1	05-29-2003	Bartfal et al.	
	AD 5,113,507	05-12-1992	Jaechel	
	AE 6,681,387 B1	01-20-2004	Hwu et al.	
WAT	AF 6,925,424 B2	08-02-2005	Jones et al.	

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WAT	AG Wikipedia "JavaServer Pages" downloaded 1/24/06 <a href="http://en.wikipedia.org/wiki/JavaServer_Pages">http://en.wikipedia.org/wiki/JavaServer_Pages</a>
	AH "Hardware Cycle Based memory Residency", IBM, May 22, 2003, ip.com, IPCOM000012728D, pp. 1-2
WAT	AI HYDE, "The Art of Assembly Language", 2001, Linux Edition, pp. 247-248, retrieved Mar. 1, 2005 from <a href="http://webster.cs.ucr.edu/AoA/Linux/PDFs/0_PDFIndexLinux.html">http://webster.cs.ucr.edu/AoA/Linux/PDFs/0_PDFIndexLinux.html</a>

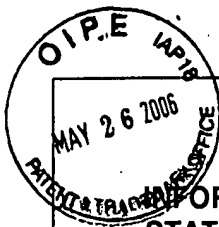
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Application Number	10/675,776
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First Named Inventor	DeWitt, Jr. et al.
Examiner Name	Unknown
Art Unit	2191
Attorney Docket No.	AUS920030481US1

Examiner Initials	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	5051944	09-24-1991	Fetterolf et al.	
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AC	5394529	02-28-1995	Brown, III et al.	
AD	6233679 B1	05-15-2001	Holmberg	
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AG	5938760	08-17-1999	Levine et al.	
AH	6189072 B1	02-13-2001	Levine et al.	
AI	5276833	01-04-1994	Auvinen et al.	
AJ	5287481	02-15-1994	Lin	
AK	5537572	07-16-1996	Michelsen et al.	

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AL	JEONG et al., "Cost Sensitive Cache Replacement Algorithms", June 2002, Second Workshop on Caching, Coherence and Consistency, NY, pp. 1-14.

Examiner:

*Michael Vu*

Date Considered:

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AA	AA 5805879	09-08-1998	Hervin et al.	
	AB 6647301 B2	11-11-2003	Sederlund et al.	
	AC 6735666 B1	05-11-2004	Koning	
	AD 2004/0153612 A1	08-05-2004	Mutz et al.	
	AE 2005/0091456 A1	04-28-2005	Huck	
	AF 2005/0108483 A1	05-19-2005	Bungo	

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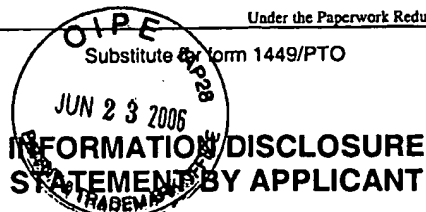
Examiner:

*Amir Amir*

Date Considered:

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Art Unit	2191		
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AA	6,149,318	11-21-2000	Chase et al.	
AB	6,185,671 B1	02-06-2001	Pentovski et al.	
AC	6,247,113 B1	06-12-2001	Jaggar	
AD	6,460,135 B1	10-01-2002	Suganuma	
AE	2003/0126590 A1	07-03-2003	Burrows et al.	
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Examiner Initial	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

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AG	MERTEN et al., "A Hardware Driven Profiling Scheme for Identifying Program Hot Spots to Support Runtime Optimization", IEEE, 1999, pp. 136-147.

Examiner:

*Man Anhua*

Date Considered:

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/675,776
		Filing Date	09/30/2003
		First Named Inventor	DeWitt, Jr. et al.
		Examiner Name	Unknown
		Art Unit	2191
		Attorney Docket No.	AUS920030481US1

Examiner Initials	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	5,857,097	01-05-1999	Henzinger et al.	
AB	6,820,155	11-16-2004	Ito	
AC	5,745,770	04-28-1998	Thangadurai et al.	

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Examiner Initial	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

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Application Number	10675776
Filing Date	2003-09-30
First Named Inventor	DeWitt, Jr. et al.
Art Unit	2191
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Attorney Docket Number	AUS920030481US1

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WAT	1	6944720	B2	2005-09-13	Sperber et al.	
WAT	2	7035996	B2	2006-04-25	Woodall et al.	

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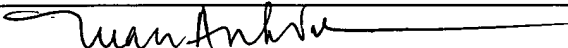
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	Filing Date		2003-09-30	
	First Named Inventor	Levine et al.		
	Art Unit	2191		
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QAT	1	6973417	B1	2005-12-06	Maxwell et al.			
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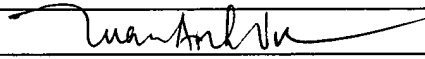
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	First Named Inventor	DeWitt, Jr. et al.	
	Art Unit	2191	
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Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	
WAT	1	5966538		1999-10-12	Granston et al.		
	2	5940618		1999-08-17	Blandy et al.		
	3	6189142	B1	2001-02-13	Johnston et al.		
	4	5768500		1998-06-16	Agrawal et al.		
	5	6026235		2000-02-15	Shaughnessy		
	6	5950003		1999-09-07	Kaneshiro et al.		
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Art Unit	2191	
Examiner Name	Unknown	
Attorney Docket Number	AUS920030481US1	

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
MA	1	20020073406	A1	2002-06-13	Gove	
	2	20030066055	A1	2003-04-03	Spivey	
	3	20030131343	A1	2002-07-10	French et al.	
	4	20040268316	A1	2004-12-30	Fisher et al.	

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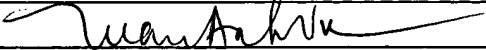
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Application Number	10675776
Filing Date	2003-09-30
First Named Inventor	DeWitt, Jr. et al.
Art Unit	2191
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Attorney Docket Number	AUS920030481US1

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10675776
	Filing Date		2003-09-30
	First Named Inventor	DeWitt, Jr. et al.	
	Art Unit	2191	
	Examiner Name	Unknown	
	Attorney Docket Number	AUS920030481US1	

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Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
CA	1	5761103		1998-06-02	Oakland et al.	
	2	6549959	B1	2003-04-13	Yates et al.	
	3	6772322	B1	2004-08-03	Merchant et al.	
	4	5937437		1999-08-10	Roth et al.	
	5	6070009		2000-05-30	Dean et al.	
	6	6381679	B1	2002-04-30	Matsubara et al.	
	7	6687794	B2	2004-02-03	Malik	
CA	8	6539458	B2	2003-03-25	Holmberg	

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Application Number		10675776
Filing Date		2003-09-30
First Named Inventor	DeWitt, Jr. et al.	
Art Unit	2191	
Examiner Name	Unknown	
Attorney Docket Number	AUS920030481US1	

9	6973542	B1	2005-12-06	Schmuck et al.	
10	6782454	B1	2004-08-24	Damron	
11	5652858		1997-06-29	Okada et al.	
12	6848029	B2	2005-01-25	Coldewey	
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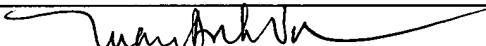
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WJ	1	"Method for the dynamic prediction of nonsequential memory accesses", September 25, 2002, pp. 1-4, ip.com IPCOM000009888D	<input type="checkbox"/>
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	Examiner Name	Unknown	
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NA	1	5657253		1997-08-12	Dreyer et al.	
	2	5991708		1999-11-23	Levine et al.	
	3	5564015		1996-10-08	Bunnell	
	4	5450349		1995-09-12	Brown et al.	
	5	5987598		1999-11-16	Levine et al.	
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	7	6112317		2000-08-29	Berc et al.	
NA	8	5896538		1999-04-20	Blandy et al.	

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Art Unit	2191
Examiner Name	Unknown
Attorney Docket Number	AUS920030481US1

	9	5355487		1994-10-11	Keller et al.	
	10	6948032	B2	2005-09-20	Kadambi et al.	

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	1	"CPU Cache", Wikipedia, pp. 1-14 retrieved 11/1/06 <a href="http://en.wikipedia.org/wiki/CPU_cache">http://en.wikipedia.org/wiki/CPU_cache</a>	<input type="checkbox"/>
	2	AMMONS et al., "Exploiting Hardware Performance Counters with Flow and Context Sensitive Profiling", 1997, ACM, pp. 85-96.	<input type="checkbox"/>



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9	6865666	B2	2005-03-08	Yoshida et al.	
10	5590352		1996-12-31	Zuraski et al.	
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10675776
Filing Date	2003-09-30
First Named Inventor	DeWitt, Jr. et al.
Art Unit	2191
Examiner Name	Unknown
Attorney Docket Number	AUS920030481US1

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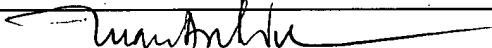
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